(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 21 April 2005 (21.04.2005)

PCT

(10) International Publication Number WO 2005/035873 A1

(51) International Patent Classification7: E01B 19/00, 5/02

(21) International Application Number:

PCT/NL2004/000732

(22) International Filing Date: 18 October 2004 (18.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03078290.8

17 October 2003 (17.10.2003) E

(71) Applicant (for all designated States except US): NED-ERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft (NL).

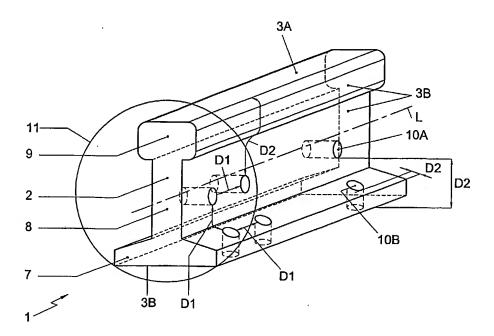
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JANSSENS, Marcel, Henk, André [NL/NL]; Rivierpad 10, NL-2614 XB

Delft (NL). **DITTRICH, Michael, George** [NL/NL]; A. van Scheltemaplein 95, NL-2624 PJ Delft (NL).

- (74) Agent: WINCKELS, J., H., F.; Vereenigde, Johan de Wittlaan 7, NL-2517 JR Den Haag (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: LOW NOISE EMISSION RAILWAY RAIL



(57) Abstract: Railway rail (1) for guiding a wheel of a rail guided vehicle, said rail comprising a body (3) having a running surface (3A) for cooperation with a wheel to be guided and non-running surface (3B) provided with a plurality of perforations (10) extending from one part of the non-running surface to another part of the non-running surface, the average distance (D1) between two adjacent perforations being less than twice the diameter of the smallest enclosing circle (11) of the cross sectional profile normal to the longitudinal axis of the rail.

WO 2005/035873 A1

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report